WASHINGTON
DC
AMIA 2005

The AMIA 2005 Tutorial Program will provide a learning experience filled with rich content.

Twenty-nine tutorials are offered at AMIA 2005 taught by a faculty comprised of AMIA's widely recognized thought leaders in the field are designed to stimulate interest in the diverse body of knowledge represented by AMIA.

These tutorials are divided into four series - Primers, EHRs, Methods, and Selected Topics.

AMIA TUTORIALS - PRIMER SERIES

Tutorial 16: Unified Medical Language System UMLS ® Overview
Saturday, October 22 - 1:00 p.m. - 4:00 p.m.

Presenter:
Jan Willis
UMLS Support, National Library of Medicine
Bethesda, MD

Tutorial Overview:
The purpose of NLM's Unified Medical Language System® (UMLS®) is to facilitate the development of computer systems that behave as if they "understand" the meaning of the language of biomedicine and health. Toward that end, NLM produces and distributes the UMLS Knowledge Sources (databases) and software tools (programs) for use by system developers. The UMLS Metathesaurus serves as an official distribution vehicle for HIPAA standard code sets and US government target clinical vocabulary standards.

This course provides an overview of UMLS Knowledge Sources and associated programs, including the Metathesaurus, a database of 1 million+ concepts from over 100 biomedical vocabularies, the Semantic Network, used to categorize all concepts in the Metathesaurus and help interpret meaning, and the SPECIALIST Lexicon and lexical tools, used to process text and language for clinical, research, and educational purposes.

Outline of Topics:
* UMLS introduction and overview
* Metathesaurus
* RxNorm
* SNOMED CT
* Semantic Network
* SPECIALIST Lexicon and Tools
* UMLS Knowledge Source Server
* MetamorphoSys
* RRF Browser

Intended Audience:
Biomedical informatics and other researchers; physicians, nurses, and other health care professionals; computer scientists, system developers, and programmers; and medical librarians and other information professionals

Content Level: 100% basic.

AMIA 2005 Tutorial Primer Series:
This set of tutorials is designed to provide an introduction to key current and emerging areas in informatics and are considered essential to the core foundation of informatics theory, application, and practice.

T1 - Introduction to Biomedical and Health Informatics
T4 - A Primer on Health Level 7 - HL7
T5 - Using the Resources of The National Center for Biotechnology Information (NCBI)
T6 - Natural Language Processing (NLP) in Biomedicine
T7 - PACS - Digital Medical Image Management
T8 - Information Security in Health Care: Process and Technology
T9 - The eXtensible Markup Language (XML)
T16- Unified Medical Language System UMLS Overview
T23 - Discovering Knowledge: Data Mining
T24 - Project Management: Implementing Systems on Time and with Budget
T25 - Ontologies in Biomedicine
T26 - Public Health for Informaticians

Personal Information

Last Name

First Name

MI

Suffix(es)

Nickname for Badge

Title / Position

Institution / Organization

Mailing Address ☐ Home ☐ Work

City/State/Zip/Country

Business Phone

Fax

E-mail

Professional Profile Please check all that apply:
- ☐ Business Administrator (BA)
- ☐ Computer Scientist (CS)
- ☐ Dentist (DS)
- ☐ Dietician (DT)
- ☐ Educator (ED)
- ☐ Engineer (EN)
- ☐ Fellow (FW)
- ☐ Graduate Student (S)
- ☐ Health Information Mgmt. Professional (HI)
- ☐ Hospital Administrator (AD)
- ☐ Medical Librarian (ML)
- ☐ Nurse (RN)
- ☐ Pharmacist (RX)
- ☐ Physical Therapist (PT)
- ☐ Physician (MD)
- ☐ Programmer (PR)
- ☐ Scientist/Researcher (SR)
- ☐ Systems Analyst (AN)
- ☐ Technologist (TX)
- ☐ Vendor/Consultant (VC)
- ☐ Veterinary Medicine (VT)
- ☐ Other _____

Demographic Questions

1. Did you attend Medinfo 2004? ☐ Yes ☐ No
2. How many previous AMIA Annual Symposia have you attended? ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5+
3. Professional Setting (choose one):
   - ☐ Academic Institution
   - ☐ Ambulatory Care
   - ☐ Consulting Firm
   - ☐ Clinical Group Practice
   - ☐ Government/Military
   - ☐ Health Care System
   - ☐ Hospital
   - ☐ Public Health
   - ☐ Vendor Organization
   - ☐ None of those listed
4. Principal focus (check all that apply):
   - ☐ Teaching/Faculty responsibilities
   - ☐ Student/Research fellow
   - ☐ Administration/Management
   - ☐ Programming/Systems Work
   - ☐ Research
   - ☐ Patient Care
   - ☐ Marketing/Sales
   - ☐ Consulting
   - ☐ Public Health
   - ☐ Other (please list) _____
5. Length of time in the informatics field (years): ☐ <1 ☐ 1-5 ☐ 6-10 ☐ 11-15 ☐ >15
6. Purchasing authority: ☐ Decision influencer ☐ Decision maker ☐ Not applicable

Symposium Registration

Full registration fees for members, non-members, and students cover all events except for tutorial, designated affiliate events, and selected social events. Registration includes CD-ROM proceedings, and registration bag with materials.

Author Rates for members and non-members are applicable to those who are the primary author of a paper, theater-style demonstration, poster, or a panel presenter. Author rates do not apply to tutorial presenters.

Student Rates for full-time students. They do not apply to part-time students. All students MUST present proof of student status including both a photocopy of a current, valid student ID plus a letter from the university/college registrar's office verifying current full-time enrollment in a degree or post-doctoral program at the time of the AMIA 2005 Annual Symposium.

Daily Registration covers all programs and events on the day registration is made. Registrants who wish to attend an event or program on another day must registration for additional day.

Registration includes CD-ROM proceedings, and registration bag with materials.

Expo-only Registration covers one-day attendance only at activities held in the Exhibit Hall, which includes exhibits and poster sessions. Expo-only registrants are not eligible to attend scientific program sessions, opening or closing session, or any other event held outside of the Exhibit Hall. No bag or CD-ROM included.

	ADVANCED If full payment received from 07/16/05 to 10/17/05	ONSITE Rates in effect after 10/17/05
AMIA Member Author*	☐ $595.00	☐ $695.00
Non-member Author*	☐ $745.00	☐ $845.00
AMIA Member	☐ $645.00	☐ $745.00
Non-member	☐ $795.00	☐ $895.00
AMIA Student Member	☐ $325.00	☐ $375.00
Student Non-member	☐ $425.00	☐ $475.00
Single-day Member (indicate day(s)) ☐ _____	☐ $325.00	☐ $350.00
Single-day Non-member (indicate day(s)) ☐ _____	☐ $350.00	☐ $400.00
Expo-only (per day)	☐ $ 75.00	☐ $ 75.00

Special Event Registration

Welcome reception guest ticket	☐ $35.00
CARING luncheon	☐ $50.00
Additional CD-ROM proceedings	☐ $95 each

Total Registration Fees (side 1) _____

Fax form to: 301-657-1296
or Mail to: AMIA
4915 St. Elmo Ave. Suite 401, Bethesda, MD 20814

Please note: You must be a current AMIA member to receive the member rates.

Tutorial Registration

Registration for tutorials is additional to the general symposium registration. Select your the appropriate category and then select your tutorials from the list below. Please note many tutorials are being held at the same time - so make sure to watch the times on the tutorials you choose to attend.

Full Day Tutorials

		Title	Schedule	Track	Member	$325 Advance	$350 On-site	Non-member	$350 Advance	$395 On-site	Student	$295 Advance	$315 On-site
☐	T1	Introduction to Biomedical and Health Informatics	Saturday Full Day	Primer		☐	☐		☐	☐		☐	☐
☐	T2	Terminologies and Classifications	Saturday Full Day	Selected Topics		☐	☐		☐	☐		☐	☐
☐	T18	NHII Overview: From A to Z	Sat PM/SunAM	Selected Topics		☐	☐		☐	☐		☐	☐
☐	NI	AMIA 2005 Nursing Informatics Symposium	Saturday Full Day	Selected Topics		☐	☐		☐	☐		☐	☐

Half Day Tutorials

		Title	Schedule	Track	Member	$175 SPECIAL RATE	$195 Advance	$225 On-site	Non-member	$195 SPECIAL RATE	$215 Advance	$250 On-site	Student	$1160 SPECIAL RATE	$180 Advance	$195 On-site
☐	T3	Building Bayesian Decision Support Systems	Saturday AM	Methods			☐	☐			☐	☐			☐	☐
☐	T4	A Primer on HL7	Saturday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T5	Using the Resources of The NCBI	Saturday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T6	Natural Language Processing (NLP) in Biomedicine	Saturday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T7	PACS - Digital Medical Image Management	Saturday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T8	IS in Health Care: Processes and Technology	Saturday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T9	The eXtensible Markup Language (XML)	Saturday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T10	Personal Health Records and E-health Portals	Saturday AM	Selected Topics			☐	☐			☐	☐			☐	☐
☐	T11	Assessing the Value of EHRs	Saturday PM	EHR			☐	☐			☐	☐			☐	☐
☐	T12	Applying UML to Clinical Informatics	Saturday PM	Methods			☐	☐			☐	☐			☐	☐
☐	T13	Integration of Genomic, Biomedical & Clinical Databases	Saturday PM	Methods			☐	☐			☐	☐			☐	☐
☐	T14	Modeling, Designing, and Implementing ODBC Databases	Saturday PM	Methods			☐	☐			☐	☐			☐	☐
☐	T15	Human-computer Interaction for Biomedical Informatics	Saturday PM	Methods			☐	☐			☐	☐			☐	☐
☐	T16	Unified Medical Language System (UMLS) Overview	Saturday PM	Primer		☐				☐				☐		
☐	T17	Transforming & Visualizing Clinical Data for Research	Saturday PM	Selected Topics			☐	☐			☐	☐			☐	☐
☐	T19	Clinical Decision Support	Sunday AM	EHR			☐	☐			☐	☐			☐	☐
☐	T20	EHR: Selection and Implementation	Sunday AM	EHR			☐	☐			☐	☐			☐	☐
☐	T21	The EHR and Patient Safety	Sunday AM	EHR			☐	☐			☐	☐			☐	☐
☐	T22	Design & Conduct of Evaluation Studies in Biomedical Informatics	Sunday AM	Methods			☐	☐			☐	☐			☐	☐
☐	T23	Discovering Knowledge: Data Mining	Sunday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T24	Project Management	Sunday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T25	Ontologies in Biomedicine	Sunday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T26	Public Health for Informaticians	Sunday AM	Primer			☐	☐			☐	☐			☐	☐
☐	T27	Creating and Employing Enterprise Data Repositories	Sunday AM	Selected Topics			☐	☐			☐	☐			☐	☐
☐	T28	Evidence-Based Nursing Knowledge	Sunday AM	Selected Topics			☐	☐			☐	☐			☐	☐
☐	T29	Simulation and Virtual Reality	Sunday AM	Selected Topics			☐	☐			☐	☐			☐	☐

AMIA Membership

Complete information about AMIA membership is available on the AMIA Web site at www.amia.org

6- and 18- month special rates afford registrants the opportunity to receive full member benefits of AMIA including member rates for the AMIA 2005 Symposium. These special rates are only available through September 30, 2005.

	Regular	Institution	Student
Renew your membership for 2005	☐ $250.00	☐ $450.00	☐ $35.00
Renew your membership for 2006	☐ $250.00	☐ $450.00	☐ $35.00
6-month special (Jul-Dec 2005)	☐ $125.00		
18-month special (Jul 05 - Dec 06)	☐ $375.00		

Payment Information

Cancellation Policy

Cancellation of a conference registration does not constitute cancellation of a hotel room. Please be sure to handle both separately. Cancellation and refund requests must be received by AMIA in writing. By August 26, 2005 - Full refund minus $50 processing fee. Between August 27, 2005 and October 5, 2005 50% refund. After October 5, 2005 no refund will be issued. However, registrations can be transferred to another member of your organization.

Transfer of Paid Registrations Policy

Registrants who are unable to attend the meeting may transfer their registration to another person. Transfer of registration must be in writing and received by the AMIA office by October 5 or presented on-site. If a member registration is transferred to a non-member, that person will have to pay the difference between the member and the non-member rates.

Payment must be in US dollars and payable through a US bank.
Please make all checks/money orders payable to AMIA. Please note:
All wire transfers require an additional $20 processing fee.

☐ Enclosed is a check for the total amount listed above.

☐ Please charge my credit card for the total listed above.

☐ Visa ☐ MasterCard ☐ American Express

Credit Card Number: _____

Expiration Date: _____ 3-digit security code: _____

Signature: _____

Subtotal from Side 1	$_____
Tutorial fees	$_____
AMIA Membership	$_____
TOTAL PAYMENT	$_____

AMIA

● ● ● ● Leaders shaping the future of health information technology

The American Medical Informatics Association (AMIA) is an organization of leaders shaping the future of health information technology in the United States and abroad. AMIA is dedicated to the development and application of medical informatics in support of patient care, teaching, research, and health care administration.

AMIA links developers and users of health information technology, creating an environment which fosters advances that revolutionize health care. Membership is open to individuals, institutions, and corporations.

AMIA has many membership benefits

- Meet face-to-face and network with your colleagues
- Attend the AMIA Annual Symposium at member rates
- Learn about the latest developments in medical informatics from JAMIA - The Journal of the American Medical Informatics Association
- Get immediate and timely news about developments in the field of medical informatics with AMIA Monthly e-Newsletter and weekly Medical Informatics News Bytes
- Participate in ongoing dialogue and develop professional and personal networks at meetings and in on-line discussions through AMIA's Working Group program
- Be part of the changing public policy debate on information technology in health care - attend the AMIA Annual Day on the Hill or other public policy events
- Discover job openings and find valuable employees and employers through AMIA's on-line Job Exchange
- Increase your visibility by being listed in the AMIA Directory
- Receive discounts on a wide variety of publications and services related to the field

Access the most updated information on AMIA members through the on-line membership directory. The directory has search functions for ease in finding and contacting your colleagues.

Job Exchange

AMIA members may post unlimited jobs and resumes to the AMIA Job Exchange - the busiest area of the AMIA Web site.

AMIA Membership

AMIA offers membership in the following categories:

Regular

Institutional

Corporate

Student

Retired

Associate

Join or Renew Your AMIA Membership

To become an AMIA member or to renew your AMIA membership use the registration form contained in this brochure or visit the AMIA Web site.

Join AMIA today

through the registration

form and receive

member rates

for AMIA 2005

www.amia.org